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Security problems in the TCP/IP protocol suite - ►usyd.edu.au (pdf)

SM Bellovin - ACM SIGCOMM Computer Communication Review, 1989 - portal.acm.org

... and in particular roaring protocols, have minimN or non-existent authentication. ...

The normal TCP connection establishment sequence involves a 3-way handshake. ...

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CL Schuba, IV Krsul, MG Kuhn, EH Spafford, A ... - IEEE SYMPOSIUM ON SECURITY AND PRIVACY, 1997 -

doi.ieeeecs.org

... is that TCP/IP does not offer strong authentication on its ... Connection Establishment

Improvements This solution addresses the fact that TCP imposes asym- metric ...

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... ECDH) key exchange [36] during initial connection establishment. ... points to use whatever authentication mechanism they ... de- scribe details for TCP migration, we ...

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... The data connection is a TCP connection that, once ... on the addresses of the connection endpoints and a ... key exchange [12] for later authentication, and exchange ...

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D Funato, K Yasuda, H Tokuda - IEEE International Conference on Network Protocols, 1997 -

doi.ieeecomputersociety.org

... tion establishment, we add two optional procedures requires the connection authenticator of MH. for TCP-R. ... 2. Exchange the authentication keys. ...

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Billing users and pricing for TCP - ►stanford.edu (pdf)

RJ Edell, N McKeown, PP Varaiya - Selected Areas in Communications, IEEE Journal on, 1995 -

ieeexplore.ieee.org

... security and credibility, this approval should be authenticated, for example ... outside world, the BGW postpones the establishment of the connection while it ...

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Optimizing TCP forwarder performance - ►nctu.edu.tw (pdf)

O Spatscheck, JS Hansen, JH Hartman, LL Peterson - IEEE/ACM Transactions on Networking (TON), 2000 -

portal.acm.org

... TCP connection by the proxy and is used to authenticate the user ... If their establishment was in fact interleaved—so that one connection knew what ...

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Session and transport layer proxies via TCP glue

P Bhagwat, DA Maltz - US Patent 5,941,988, 1999 - freepatentsonline.com

... is established immediately after the authentication step but ... During the connection establishment and tear down phase ... points of two TCP connections terminating at ...

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Wide-Area Communication for Grids: An Integrated Solution to Connectivity, Performance and Security ... - [►vub.nl](#) (PDF)

A Denis, O Aumage, R Hofman, K Verstoep, T ... - High Performance Distributed Computing: Proceedings of the ..., 2004 - doi.ieeecomputersociety.org

... and security features like authentication and encryption ... that are needed for connection establishment and efficient ... communication, and TCP bandwidth problems ...

[Cited by 28](#) - [Related articles](#) - [Web Search](#) - [All 14 versions](#)

Network security via reverse engineering of TCP code: vulnerability analysis and proposed solutions - [►ucdavis.edu](#) (PDF)

B Guha, B Mukherjee - Network, IEEE, 1997 - ieeexplore.ieee.org

... These attacks exploit applications that use authentication based on ... to X. As we have observed before, TCP maintains a connection-establishment timer ...

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Deterministic user authentication service for communication network

ME See, JW Bailey, CL Panza, Y Pikover, GC Stone, ... - US Patent App. 10/958,620, 2004 - Google Patents

... Preferably, mutual authentication is accomplished through exchange of ... transmitted during the secure connection establishment ... TCP/IP based flows between agent ...

[Cited by 23](#) - [Related articles](#) - [Web Search](#) - [All 6 versions](#)

Internet security attacks at the basic levels

M de Vivo, O Gabriela, G Isern - ACM SIGOPS Operating Systems Review, 1998 - portal.acm.org

... information (eg, IP addresses and TCP sequence numbers ... match is obtained, the connection is allowed ... use of authentication servers 3. An authentication server ...

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J Chen, W Akers, Y Chen, W Watson III - Proceedings of the 6th Joint Conference on Information ..., 2002 - jab.org

... on mechanism and SSL based connection establishment are integrated ... be used to authenticate the application ... Client connections are established without callbacks ...

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Relay Attacks on Bluetooth Authentication and Solutions - [►orst.edu](#) (PDF)

A Levi, E Cetintas, M Aydos, CK Koc, MU Caglayan - LECTURE NOTES IN COMPUTER SCIENCE, 2004 - Springer

... measures average delays in connection establishment processes and ... During each connection, it estimates the ... relay attacks on Bluetooth authentication method for ...

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[TXT] [►BSD Rlogin](#)

B Kantor, Network Information Center, SRI ... - 1991 - dspace.cam.ac.uk

... described below) just after connection establishment and user ... usually control-D), the connection is closed ... Bypassing password authentication from trusted hosts ...

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User name authentication for gateway clients accessing a proxy cache server

ML Shapiro, A Subramaniam, M Muthumavadi - US Patent 5,991,810, 1999 - freepatentsonline.com

... 5594921, Authentication of users with dynamically configurable protocol stack, January, 1997, Pettus, 710/11. ... Establishment of a TCP/IP connection entails the ...
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Asynchronous transfer mode security

M Peyravian, TD Tarkan - Network, IEEE, 1997 - [ieeexplore.ieee.org](#)
... per-packet basis, the connection-oriented nature of ATM allows two parties to use a more elaborate authentication protocol during connection establishment. ...
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[PDF] ► Towards High Performance Cryptographic Software

E Nahum, SO'Malley, H Orman, R Schroeppel - 1995 - [research.ibm.com](#)
... problems (such as sender authentication in multicast ... Furthermore, the connection establishment overhead is so high ... each packet, regardless of the connection. ...
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A Security Architecture and Mechanism for Data Confidentiality in TCP/IP Protocols

R Ramaswamy - Proc. 1990 IEEE Symposium on Research in Security and ..., 1990 - [doi.ieeecomputersociety.org](#)
... b) Transmission Control Protocol: The TCP ... the sender wants to authenticate himself/herself ... is(are) not present, then the TCP connection establishment phase ...
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The "drive-thru" architecture: WLAN-based Internet access on the road - ► 140.112.41.70 (pdf)

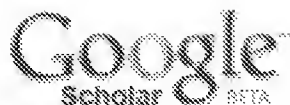
J Ott, D Kutscher - Vehicular Technology Conference, 2004. VTC 2004-Spring, 2004 ..., 2004 - [ieeexplore.ieee.org](#)
... One important observation was that TCP has ... the entry phase, leaving sufficient room for subsequent authentication and connection establishment before the ...
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D Funato, K Yasuda, H Tokuda - IEEE International Conference on Network Protocols, 1997 - doi.ieeeecomputersociety.org

... tion establishment, we add two optional procedures requires the connection authenticator of MH. for TCP-R. ... 2. Exchange the authentication keys. ...

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[Denial of Service in Sensor Networks](#)

AD Wood, JA Stankovic - COMPUTER, 2002 - doi.ieeeecs.org

... an adversary sends many connection-establishment requests to ... An existing connection between two end points ... also cannot forge the authentication mechanism, the ...

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[Protocol service decomposition for high-performance networking](#)

C Maeda, BN Bershad - Proceedings of the fourteenth ACM symposium on Operating ..., 1994 - portal.acm.org

... a reliable, byte-stream protocol (TCP) and an ... system's behavior during the establishment of con ... per- formance requirements, such as connection es- tablishment ...

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B Goode - Proceedings of the IEEE, 2002 - [ieeexplore.ieee.org](#)

... do not show explicitly the establishment of TCP connections between the ... 235 standard addresses security issues, including authentication, integrity, privacy ...

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The case for persistent-connection HTTP - ►sigcomm.org (PDF)

JC Mogul - ACM SIGCOMM Computer Communication Review, 1995 - [portal.acm.org](#)

... it is willing to accept, authentication information, etc ... them along the already-open TCP connec- tion ... waiting for a new connection establishment handshake, and ...

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Asynchronous transfer mode security

M Peyravian, TD Taman - Network, IEEE, 1997 - [ieeexplore.ieee.org](#)

... per-packet basis, the connection-ori- ented nature of ATM allows two parties to use a more elabo- rate authentication protocol during connection establishment. ...

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[TXT] ►File Transfer Protocol

J Postel, J Reynolds - 1985 - [dspace.cam.ac.uk](#)

... host address and a 16-bit TCP port address. ... Replies referring to the control and data connections. x3z Authentication and accounting - Replies for the login ...

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[HTML] ►Internet Protocol storage area networks

P Sarkar, K Voruganti, K Meth, O Biran, J Satran - IBM SYSTEMS JOURNAL, 2003 - [research.ibm.com](#)

... This authentication is only required at connection establishment, assuming that the connection is protected by IPsec. ...

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... on mechanism and SSL based connection establishment are integrated ... be used to authenticate the application ... Client connections are established without callbacks ...

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A packet-switched multimedia conferencing system - ►isi.edu (PS)

E Scholer, S Casner - ACM SIGOIS Bulletin, 1989 - [portal.acm.org](#)

... The user interface for establishment of voice and ... MMCONF provides some degree of authentication of conference ... the callee must accept the connection by giving ...

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An analysis of using reflectors for distributed denial-of-service attacks - ► [princeton.edu](#) (PDF)
V Paxson - ACM SIGCOMM Computer Communication Review, 2001 - [portal.acm.org](#)
... Another way an attacker can trick a remote server into sending data packets towards the victim is by forg- ing a T/TCP connection request [B194] from the victim ...
[Cited by 222](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 35 versions](#)

[TXT] ► Some Problems with the Specification of the Military Standard Transmission Control Protocol
DP Sidhu, TP Blumer - Protocol Specification, Testing and Verification IV, (ed.) Y. ..., 1984 - [dspace.cam.ac.uk](#)
... 2 communicating entities during the establishment of a ... Establish a connection if the initial SYN ... and Automatic Implementation of Authentication Protocols for ...
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R Ramaswamy - Proc. 1990 IEEE Symposium on Research in Security and ..., 1990 - [doi.ieeecomputersociety.org](#)
... b) Transmission Control Protocol: The TCP ... the sender wants to authenticate himself/herself ... is(are) not present, then the TCP connection establishment phase ...
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Protocol and method for peer network device discovery
MS Borella, GM Schuster, JJ Mahler, I Sidhu - US Patent 6,269,099, 2001 - [freepatentsonline.com](#)
... of data encryption and/or data authentication. ... layer 36 includes a Transmission Control Protocol ("TCP") layer 38 ... Network Device TCP Connection Establishment. ...
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